

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

MOTOKI KATO

Appln. No. 09/668,228

Filed: September 22, 2000

For: A TRANSPORT STREAM  
RECORDING DEVICE, METHOD  
THEREOF, TRANSPORT STREAM  
REPRODUCTION DEVICE, METHOD  
THEREOF, PROGRAM RECORDING  
MEDIUM AND A DATA RECORDING  
MEDIUM

Group Art Unit: 2615

Examiner: Not Assigned

**SUBMISSION OF FORMAL DRAWINGS**

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Attention: Official Draftsman  
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Washington, D.C. 20231

Sir:

Enclosed for filing in the above-identified application are twenty-one (21) sheets of formal drawings comprising Figures 1 through 22.

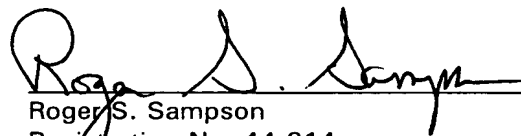
Respectfully submitted,

LIMBACH & LIMBACH L.L.P.

December 14, 2000  
(Date)

SONY-U0147  
(S00P1147US00)

By:

  
Roger S. Sampson  
Registration No. 44,314

Attorneys for Applicant(s)

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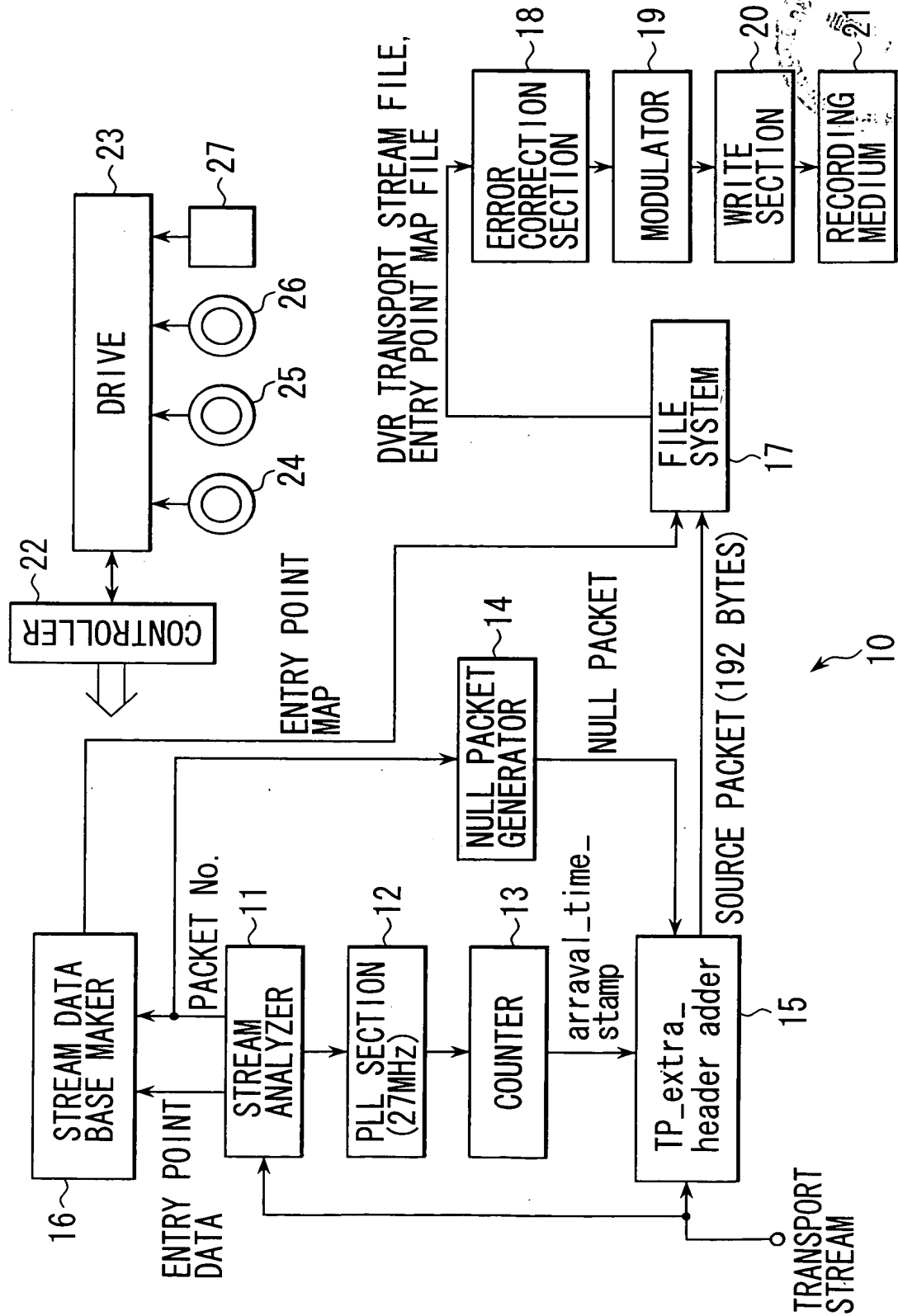
LIMBACH & LIMBACH L.L.P. Date: December 14, 2000

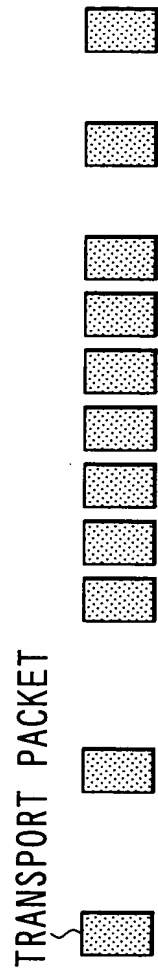
By:

  
Name: Susan Ozanne

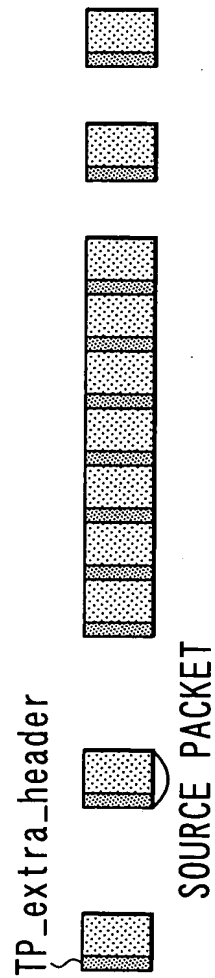
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FIG. 1





**FIG. 2A**



**FIG. 2B**

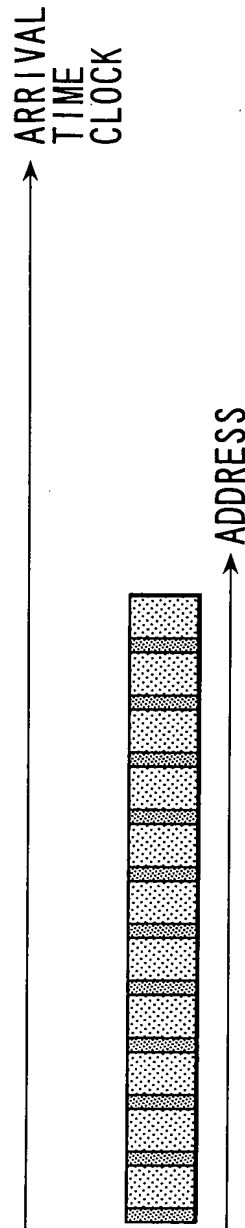


FIG. 2C



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FIG. 3

source\_packet

SYNTAX	No. OF BITS	MNEMONICS
source_packet() {		
TP_extra_header()		
transport_packet()		
}		

FIG. 4

TP\_extra\_header

SYNTAX	No. OF BITS	MNEMONICS
TP_extra_header() {		
copy_permission_indicator	2	
arrival_time_stamp	30	
}		

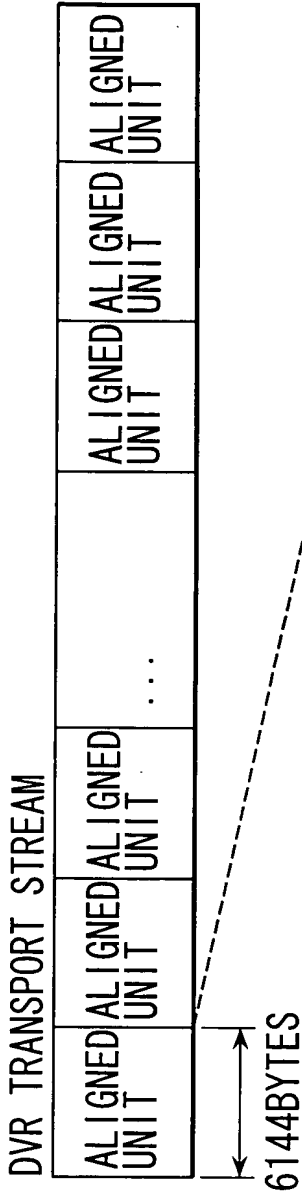


FIG. 5A

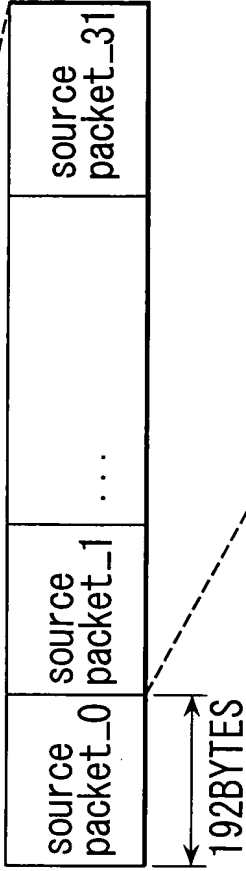


FIG. 5B

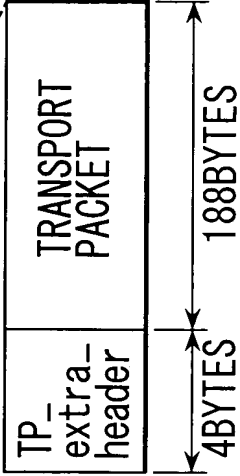
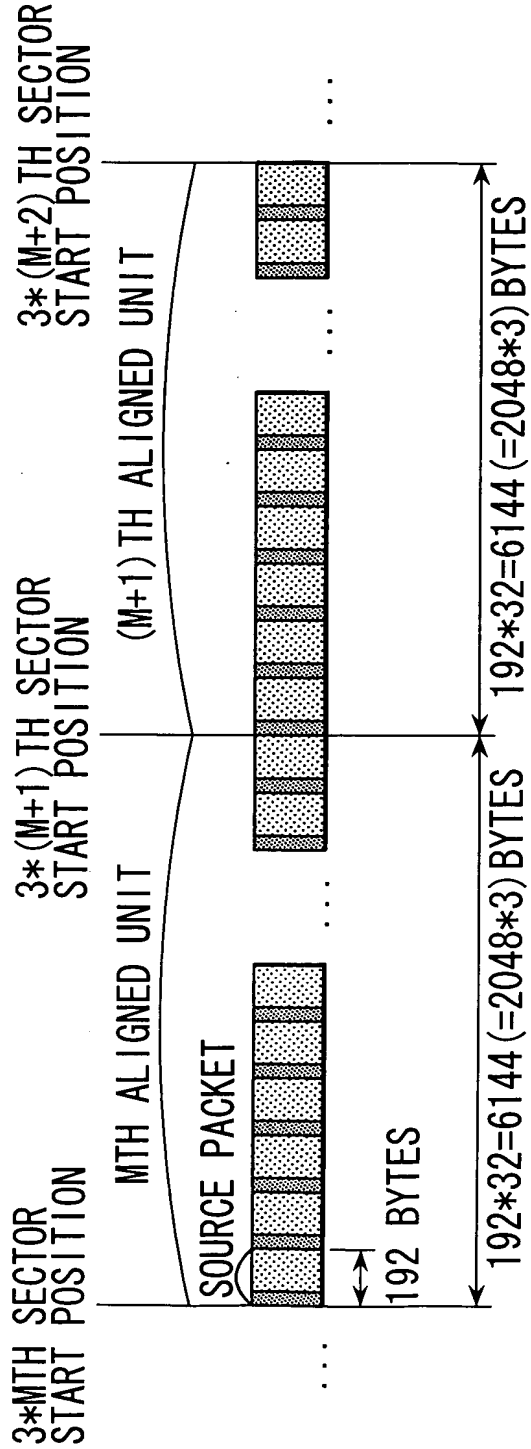


FIG. 5C

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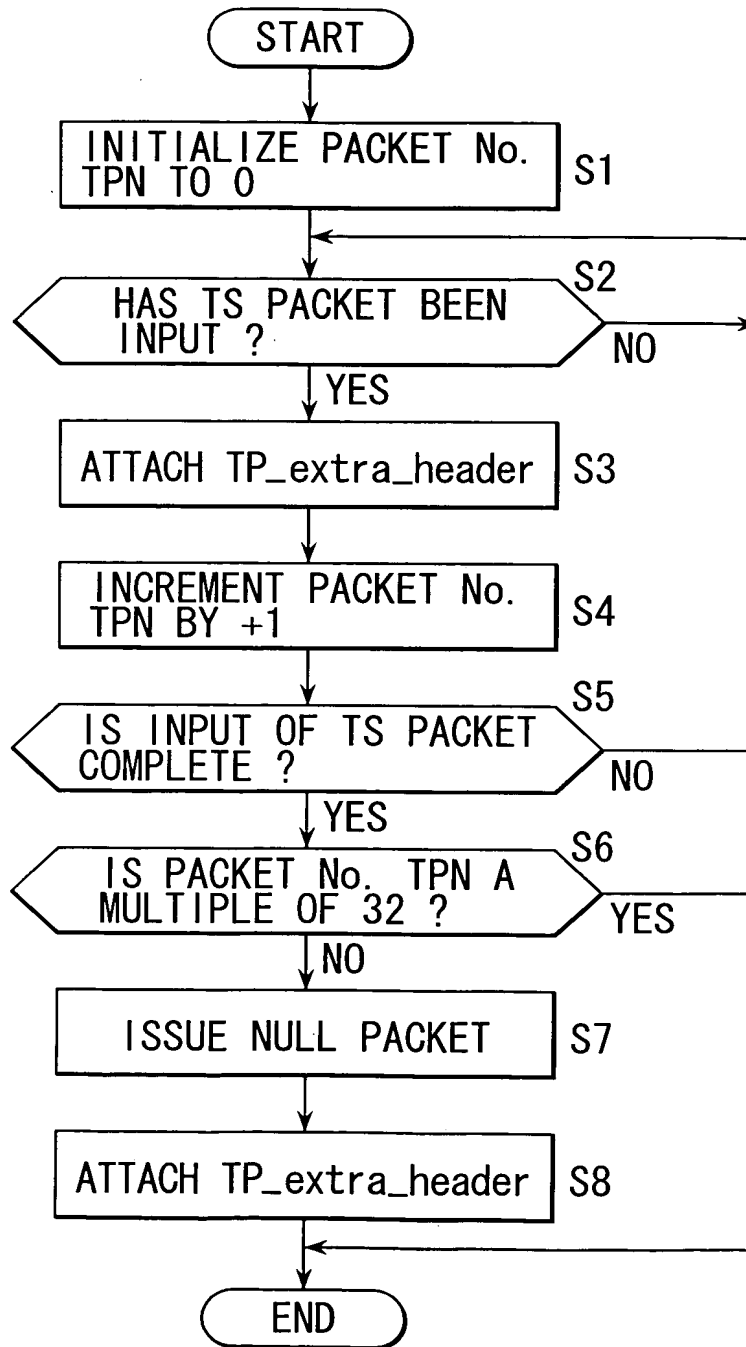
FIG. 6



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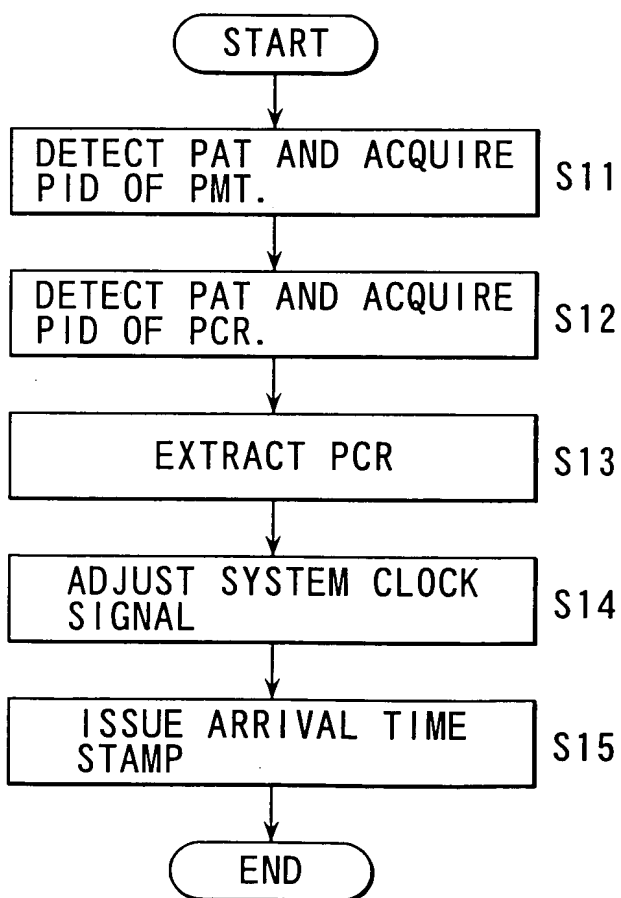
FIG. 7



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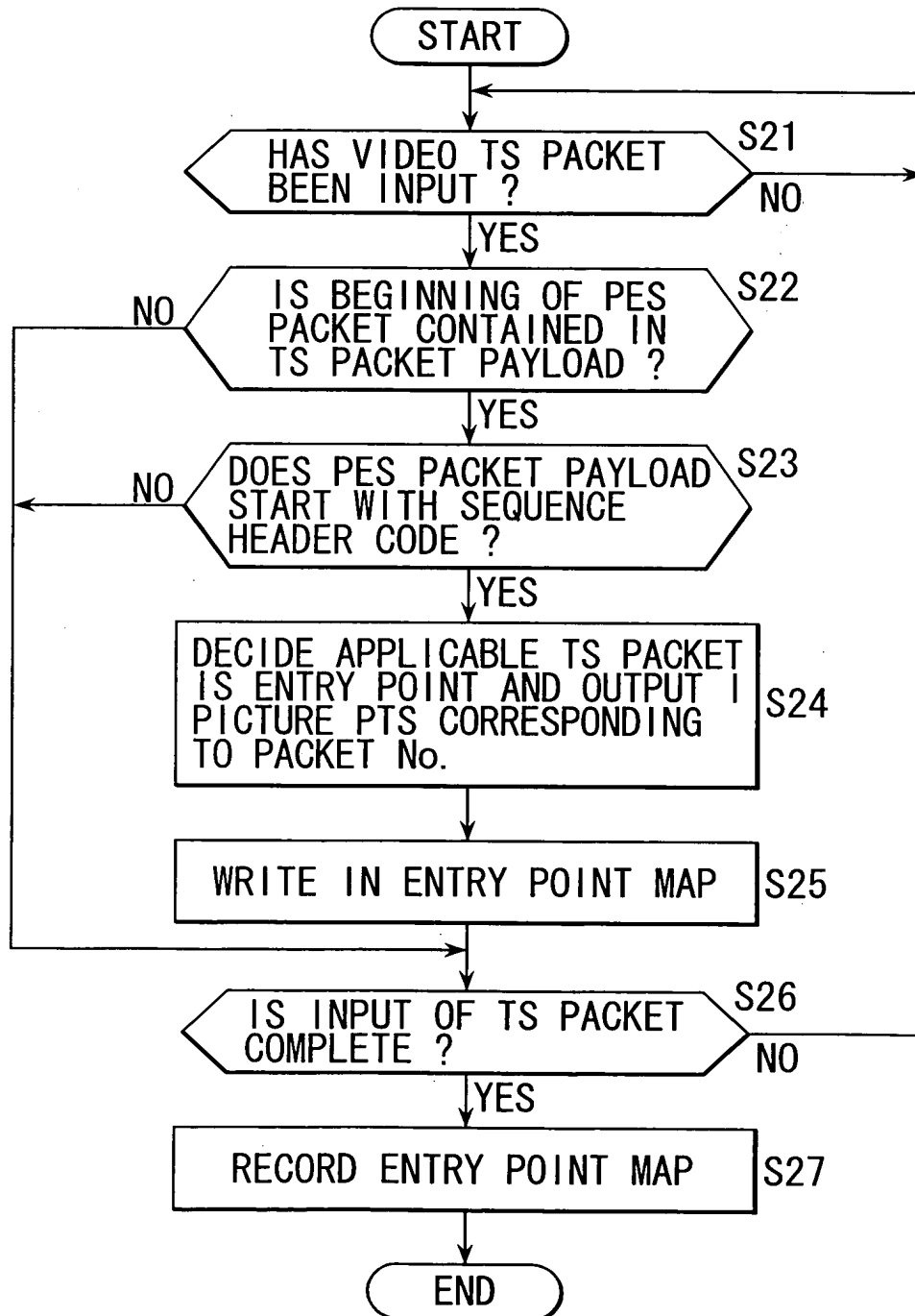
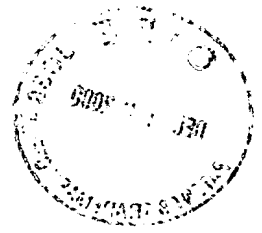
FIG. 8





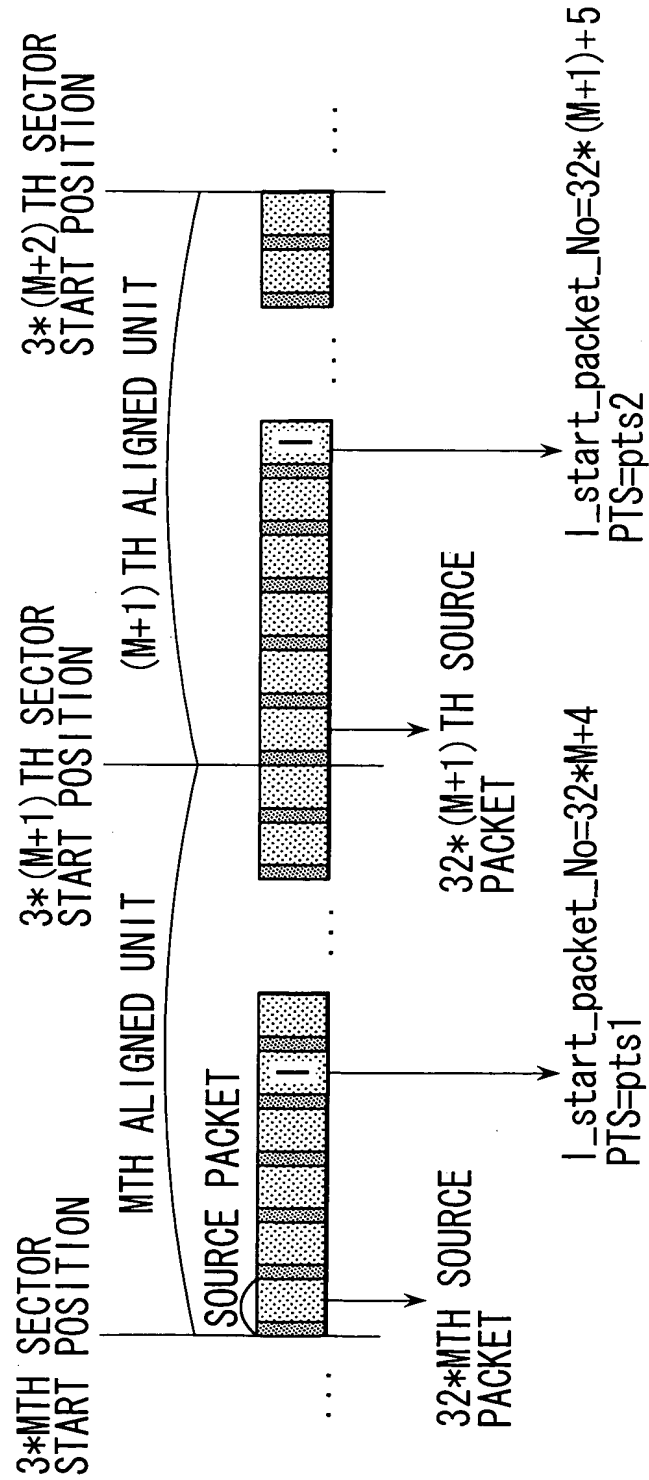
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FIG. 9



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FIG. 10



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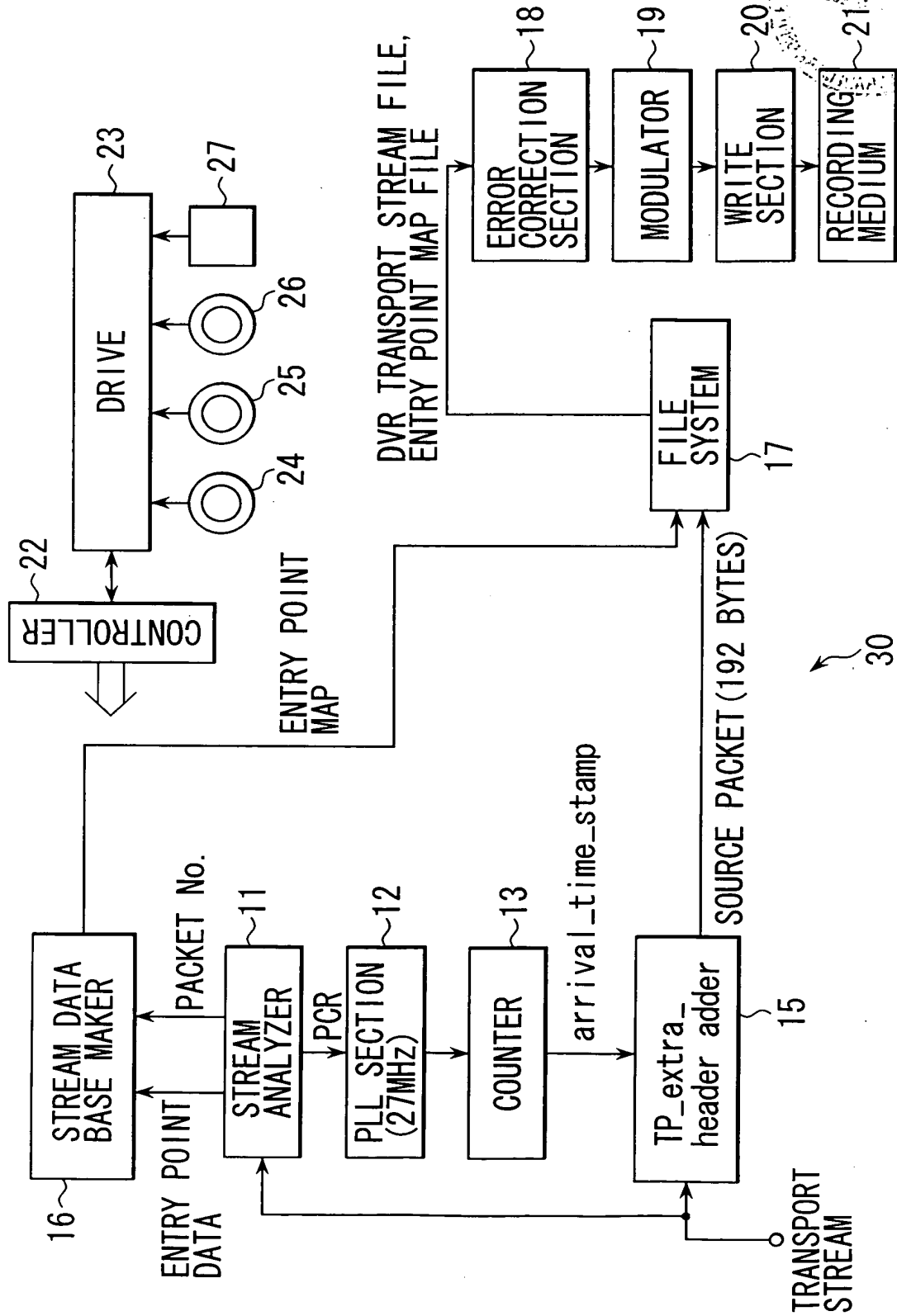


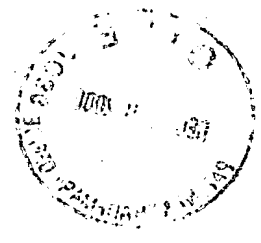
FIG. 11

video_PID	
offset_source_packet_number	
l_start_packet_No	PTS
⋮	⋮
32*M+4	pts1
32*(M+1)+5	pts2
⋮	⋮

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FIG. 12

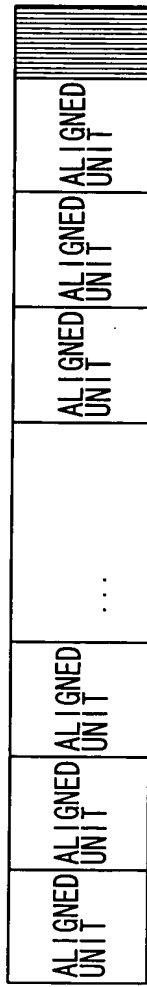




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DVR TRANSPORT STREAM

FIG. 13A



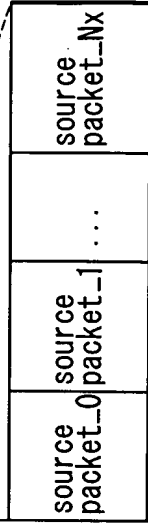
614BYTES

FIG. 13B



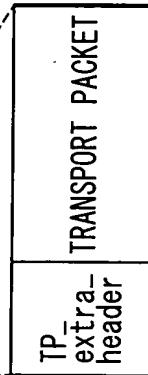
192BYTES

FIG. 13D



$\times Nx \leq 31$

FIG. 13C

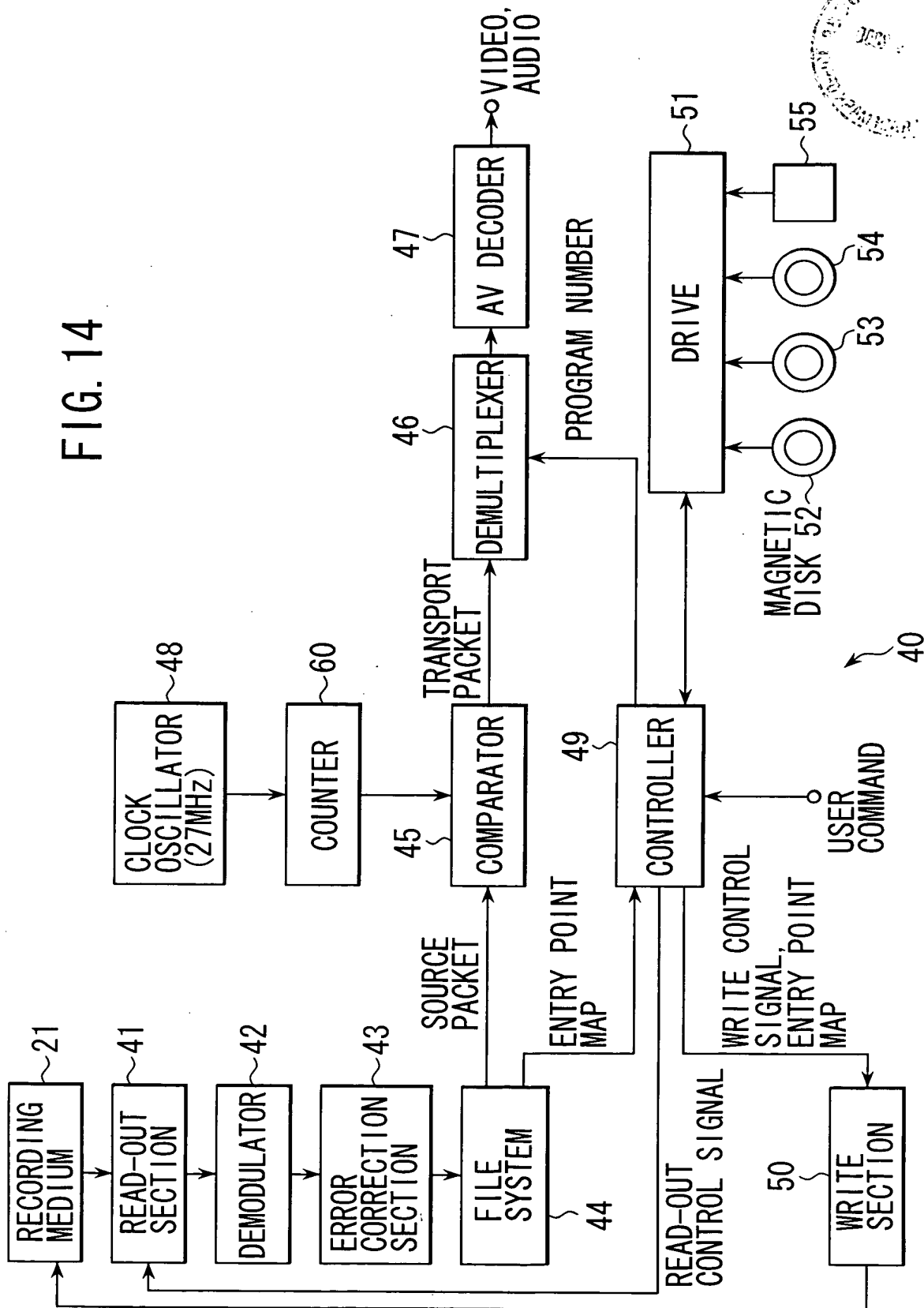


4BYTES

188BYTES

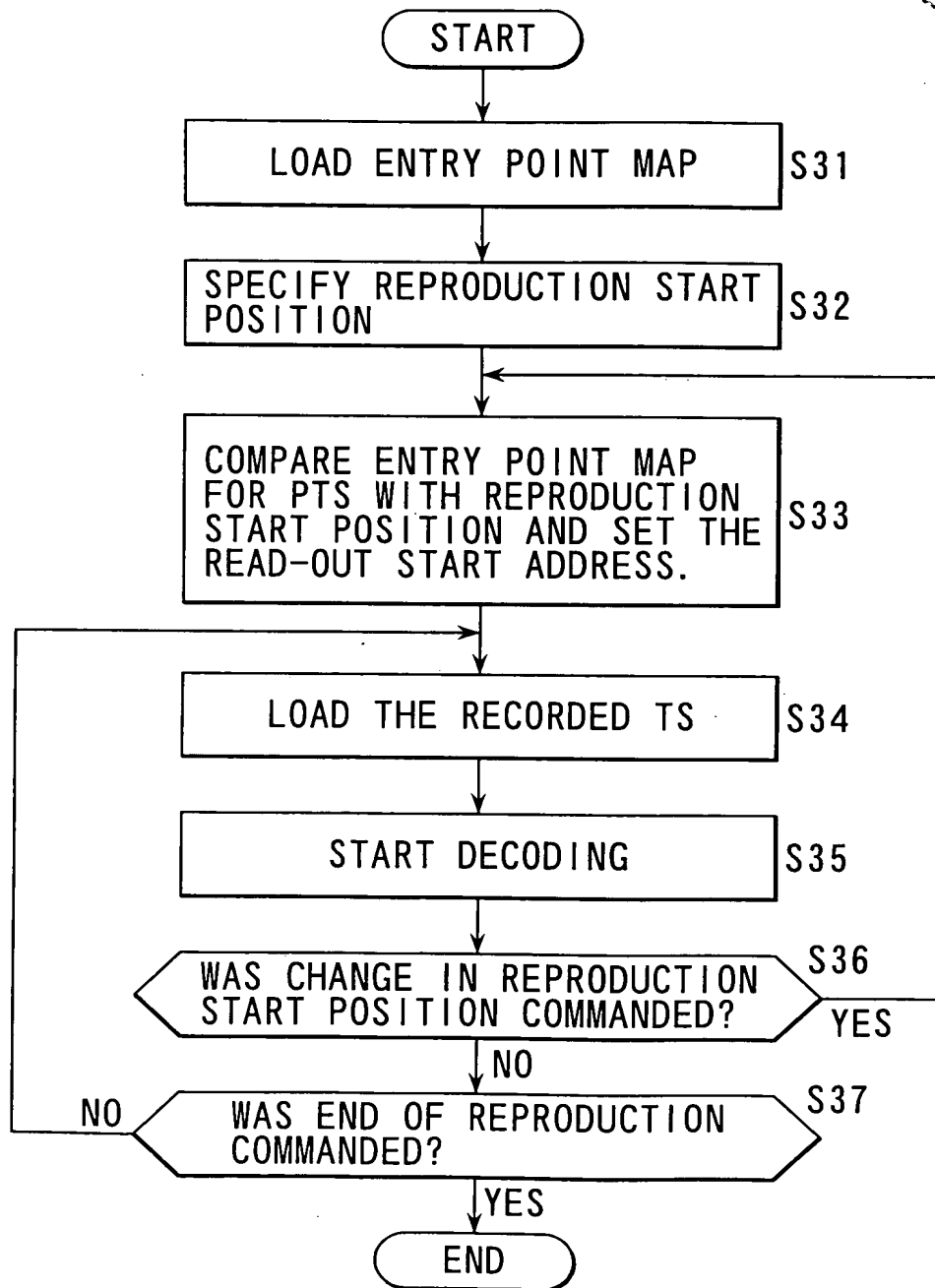
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FIG. 14



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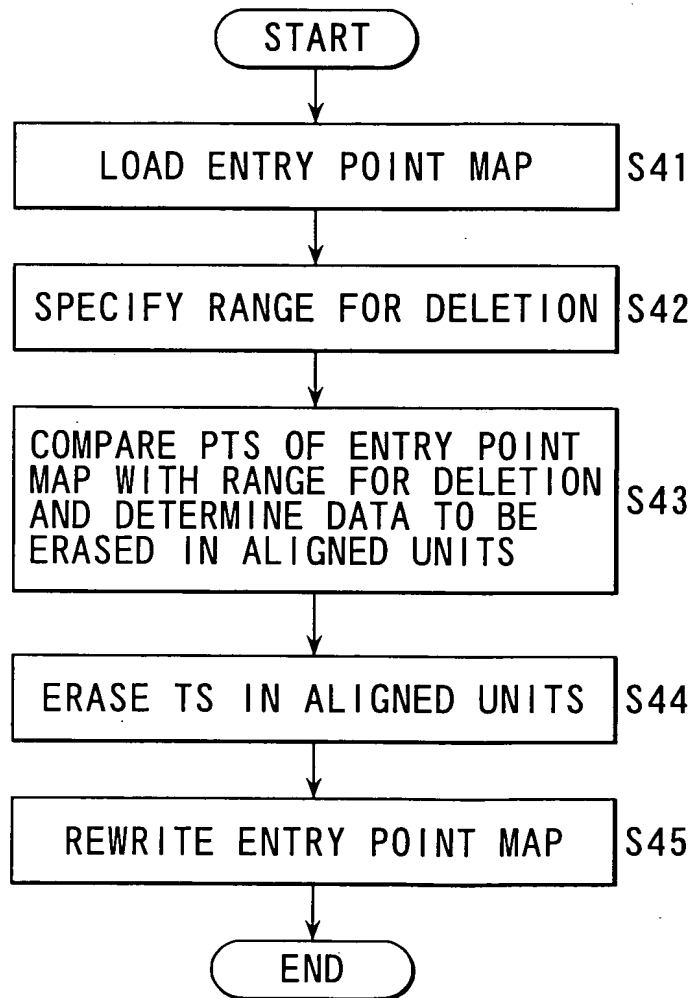
FIG. 15



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FIG. 16





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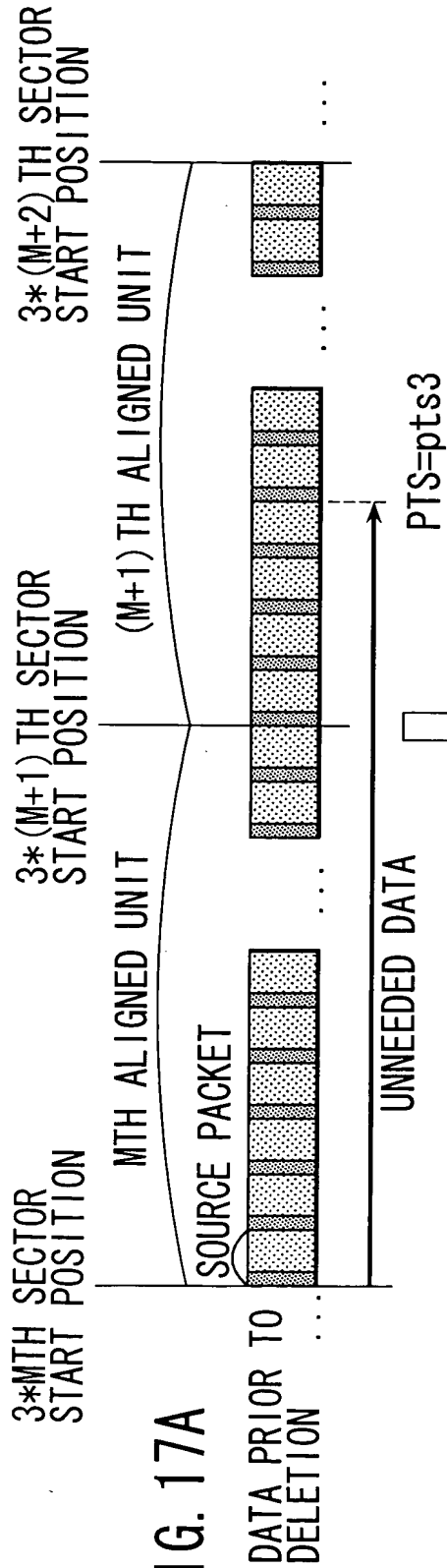


FIG. 17A

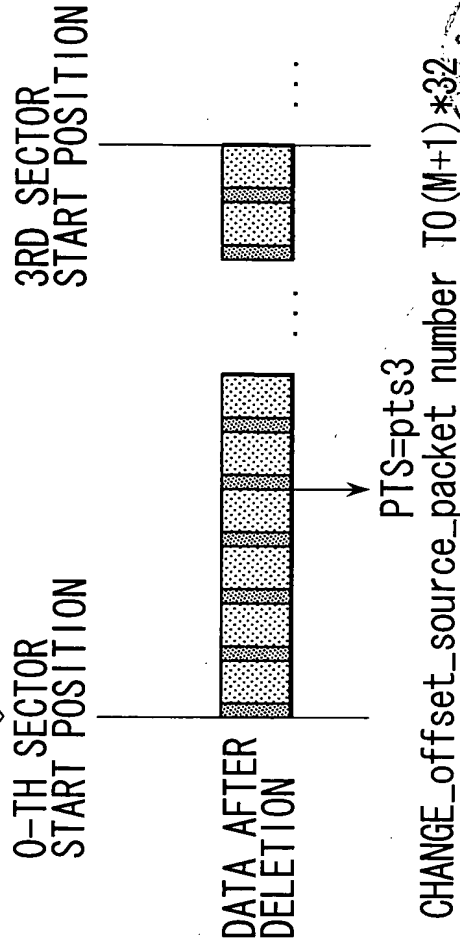
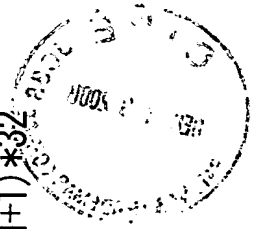
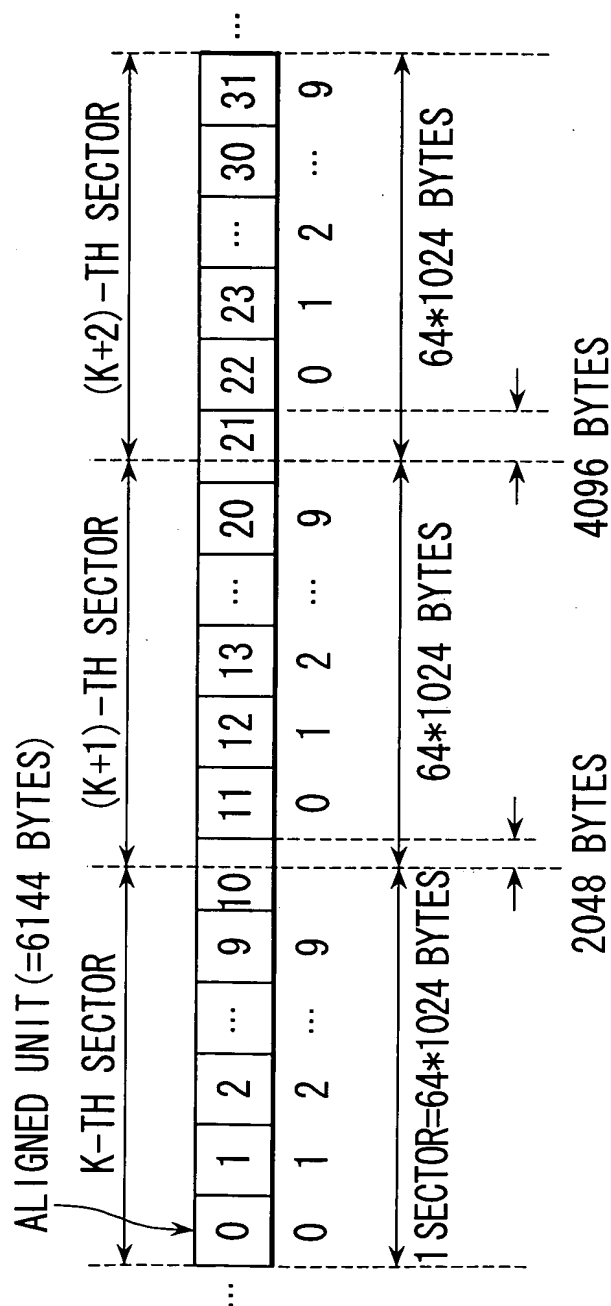


FIG. 17B



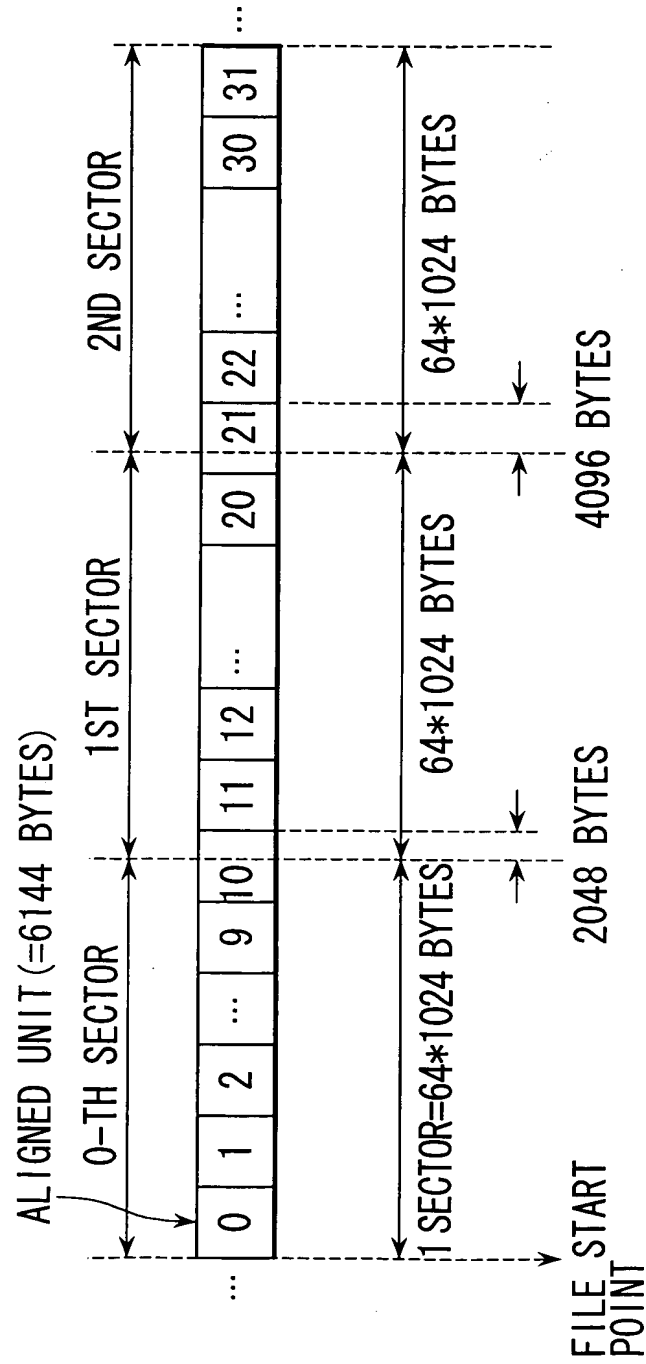
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FIG. 18



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FIG. 19





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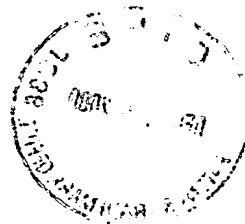


FIG. 21

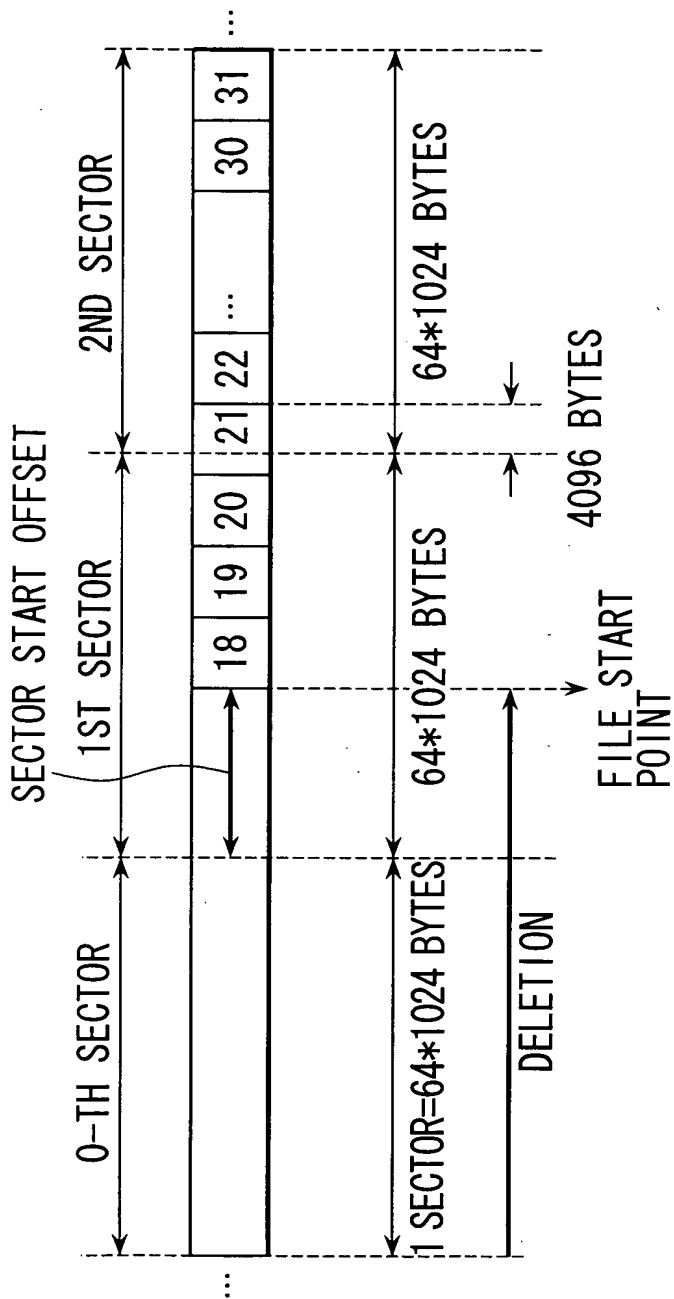




FIG. 22

